

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US05/01945

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H03D 3/00

US CL : 375/334

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : Please See Continuation Sheet

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2002/0045920 A1 (THOMPSON) 18 April 2002 (18.04.2002), paragraphs 0018, 0054 and 0057, figure 4.	1,9,10,11 and 19
Y		2-8, 12-20
Y	US 2001/0002924 A1 (TAJIMA) 7 June 2001 (07.06.2001), figure 3 and paragraph 0031.	2-5 and 12-15
Y	US 2001/0021234 A1 (KATAYAMA et al) 13 September 2001 (13.09.2001), figure 2 and paragraphs 0015-0018.	6 and 16
Y	US 4,066,841 (YOUNG) 3 January 1978 (03.01.1978), abstract and column 5, line 65 to column 6, line 6.	7,8,17,18 and 20
A	US 4,627,078 (STONER) 2 December 1986 (02.12.1986), figure 4 and column 6, line 50 to column 7, line 11.	all claims



Further documents are listed in the continuation of Box C.



See patent family annex.

Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

28 May 2005 (28.05.2005)

Date of mailing of the international search report

14 JUN 2005

Name and mailing address of the ISA/US

Mail Stop PCT, Attn: ISA/US
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Facsimile No. (703) 305-3230

Authorized officer

Kevin M. Burd

Telephone No. 703-305-4900

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Continuation of B. FIELDS SEARCHED Item 1:
375/334,316,322
607/60

Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: fsk, carrier, demodulate